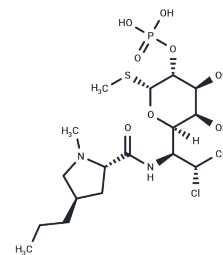


Clindamycin phosphate

Chemical Properties

CAS No. :	24729-96-2
Formula:	C ₁₈ H ₃₄ ClN ₂ O ₈ PS
Molecular Weight:	504.96
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Clindamycin Phosphate is the phosphate salt form of clindamycin, a semi-synthetic, chlorinated broad-spectrum antibiotic produced by chemical modification of lincomycin. Clindamycin phosphate (Clindamycin 2-dihydrogen phosphate) is used in topical preparations.
Targets(IC50)	ribosome, Antibacterial, Antibiotic, Parasite
In vivo	Sulpiride induces a short-term decrease in 5-hydroxyindoles followed by a long-term increase in 5-hydroxyindoles[1].

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9804 mL	9.9018 mL	19.8035 mL
5 mM	0.3961 mL	1.9804 mL	3.9607 mL
10 mM	0.198 mL	0.9902 mL	1.9804 mL
50 mM	0.0396 mL	0.198 mL	0.3961 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Röver S, et al. J Med Chem. 1997, 40(26), 4378-4385.

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